

vamp verza

**universal headphone amp . DAC . battery pack
for iOS . Android* . Windows . Mac**

**World's First
Universally Integrated**

- DAC
- Headphone Amplifier
- Battery Pack

USER MANUAL V1.0

PRACTICE SAFE SOUND

Enjoy your music responsibly by practicing safe sound. Listening to headphones at too high of volumes for extended periods of time will result in permanent hearing loss. V-MODA Faders by Ear Armor helps prevent tinnitus and hearing loss at events such as clubs, concerts, music practice and races.

Reveal more at V-MODA.com/FADERS.

Safe sound tips:

- **Turn down the volume** - start at zero and then slowly increase volume
- **Limit listening time** - give your hearing a “time out” every 30 minutes
- **Know the masters** - every song is unique, beware of spikes in volume

Be aware of your surroundings

Do not use headphones during activities such as driving, bicycling or jogging while on public roads. Many states have laws prohibiting such actions.

Caution around children

Keep out of reach of children; the parts included with this product can be a choking hazard.

WELCOME TO THE GREAT REVELATION OF SOUND

Thank you for purchasing VAMP VERZA (hereinafter called VERZA). You are very wise and have exquisite taste. VERZA is a **mobile Hi-Fi component** that produces **pure audio and is a unique symbol for the modern audiophile**. VERZA takes the digital output from your iPhone/ iPod/ iPad and computers/ android devices with USB audio output. VERZA uses **TWO dedicated Hi-Fi DACs (digital-to-analog convertor) and amplifier for pure, powerful sound**. VAMP also features BASS function that provides extra bass accentuation for various musical tastes, and 3D function for creating a 3-dimensional sound stage for movies. VERZA also includes a DD (Digital-to-Digital) conversion function that outputs digital sound data from the iPhone as optical audio (S/PDIF). **Play Hard. Rock Harder.**

Package Contents

1. VERZA Headphone Amplifier, DAC and Battery Pack
 2. USB to Micro USB cable
 3. 30-pin connector
 4. Micro USB to Micro USB cable
 5. 2x Rubber Bands
 6. Quiqcard – Quick user manual
- * iPod/iPhone and headphones are not included.

Available Accessories

V-MODA headphones, Metallo phone cases and Tuono (lightning cable) may be ordered at V-MODA.com.

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Before Using

Make sure to confirm the contents in the package before using.

Contact the retailer where the product was purchased if there is anything missing.

Compatible Models of iPod/iPhone and Computer (OS)

- iPod nano (Sixth generation)
iPod touch (Fourth generation)
- iPhone 3GS iPhone 4 iPhone 4S iPhone 5
- PC, Mac (OS) Windows: 7/Vista/XP SP3 or later (32 bit/64 bit)
- Mac: OS X v10.5 Leopard or later
- Android devices with USB audio output

QuiqCard – Quick Start

::: QuiqCard :::

function	View manual for full details and compatibility								
on/off									
volume control									
3D mode	<p>press 3D button</p>								
bass enhance mode	<p>1) press and hold BATTERY / BASS button 2) LED on toggle switch 2 begins to blink 3) toggle back and forth between VAMP & iVAMP</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr> <td>LED color</td> <td>bass boost</td> </tr> <tr> <td>red</td> <td>off</td> </tr> <tr> <td>green</td> <td>on</td> </tr> </table>	LED color	bass boost	red	off	green	on		
LED color	bass boost								
red	off								
green	on								
setting gain	<p>toggle HI or LO</p>								
check battery	<p>press BATTERY / BASS button</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr> <th>remaining battery</th> <th>LED</th> </tr> <tr> <td>full</td> <td></td> </tr> <tr> <td>low</td> <td></td> </tr> <tr> <td>empty</td> <td></td> </tr> </table>	remaining battery	LED	full		low		empty	
remaining battery	LED								
full									
low									
empty									
check charging status	<p>display charging status indicator</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr> <td>pre charge (pre charging)</td> <td></td> </tr> <tr> <td>charge (quick charging)</td> <td></td> </tr> <tr> <td>complete (charge complete)</td> <td></td> </tr> </table>	pre charge (pre charging)		charge (quick charging)		complete (charge complete)			
pre charge (pre charging)									
charge (quick charging)									
complete (charge complete)									
instant registration SCAN QR CODE	<div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p style="text-align: right;">or visit V-MODA.com /REGISTER</p>								

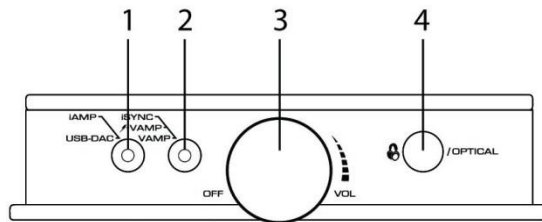
::: QuiqCard :::

task	cable	port	toggle 1	toggle 2
charging built-in battery with PC/Mac/USB charger	USB-micro USB	micro USB	USB-DAC iAMP USB-DAC	iVAMP or VAMP iSYNC iVAMP VAMP
connecting VERZA with iPhone /iDevice	30-pin cable/ Lightning cable (iPhone 5)	USB	iAMP USB-DAC	iVAMP or VAMP iSYNC iVAMP VAMP
connecting VERZA with Samsung GalaxyS3 Note II*	micro USB- micro USB	micro USB	USB-DAC iAMP USB-DAC	does not charge VERZA iVAMP VAMP charges VERZA
connecting VERZA with PC/Mac	USB-micro USB	micro USB	USB-DAC iAMP USB-DAC	iVAMP or VAMP iSYNC iVAMP VAMP
syncing w/ iPhone/iDevice and iTunes via PC/Mac (make sure iPod/iPhone is connected)	USB-micro USB	micro USB	iAMP USB-DAC	iSYNC iVAMP VAMP
charge iPhone, iPod, USB device	USB-micro USB or USB-30-pin cable (iDevice)	USB	USB-DAC iAMP USB-DAC	iVAMP or VAMP iSYNC iVAMP VAMP

*See V-MODA.com/VAMPVERZA for additional Android/Windows phone compatibility

Name and Function of Each Part

Front panel



1. Toggle switch (1)

Set the functions.

iAMP	Function to listen to the music in iPod/iPhone.
USB DAC	Function to connect VERZA with computer or devices with USB audio. To listen to the music after connected.

2. Toggle switch (2)

Set the modes.

VAMP	Listen to the music in iPod/iPhone with headphones (or speakers) using the AMP (amplifier) of VERZA.
⚡ +VAMP	In addition to the AMP (amplifier) function, iPod/iPhone gets charged by the built-in battery of VERZA.
iSYNC	Perform ON and OFF of the connection between VERZA and iPod/iPhone. Perform the synchronization with iPod / iPhone and computer and charge iPod/iPhone from computer, USB charger, etc.

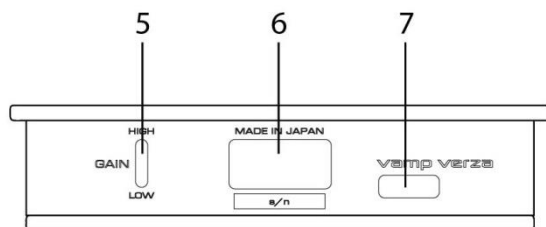
3. Power switch volume knob

Volume adjustment	Adjust the output volume to headphones (or speakers). Volume increases when turned clockwise. The volume decreases when turned counterclockwise.
Power ON/OFF	The main power turns ON when the knob is turned clockwise and clicks. The main power turns OFF when the knob is turned counterclockwise all the way and clicks.

4. Headphone output / S/PDIF output

Headphone output	Connect stereo headphones (or speakers).
Optical / S/PDIF output	<p>Connect the round optical digital connector.</p> <p>The digital signal from iPod/iPhone is DD (Digital-to-Digital) converted and output as S/PDIF digital signal.</p> <p>By connecting to a device with digital input, audio source of iPod/iPhone gets output as high-quality sound at 48kHz/16bit.</p> <p>* It outputs at the sampling frequency set on computer when USB DAC is selected.</p>

Rear panel



5. GAIN toggle switch

Switches the headphone output gain between HIGH and LOW.

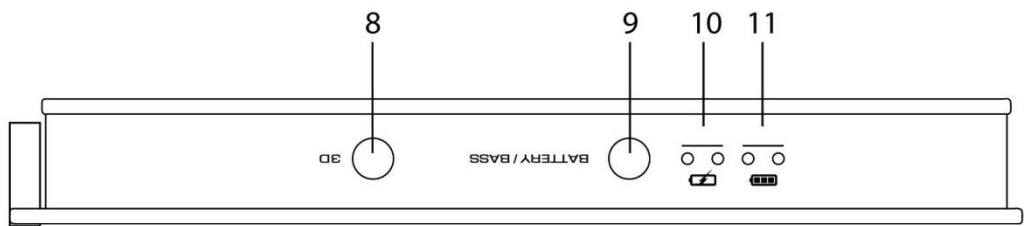
6. USB standard A connector

Connects VERZA to iPod/iPhone.

7. USB micro B connector

Connects VERZA to computer, compatible android device or USB charger.

Side panel

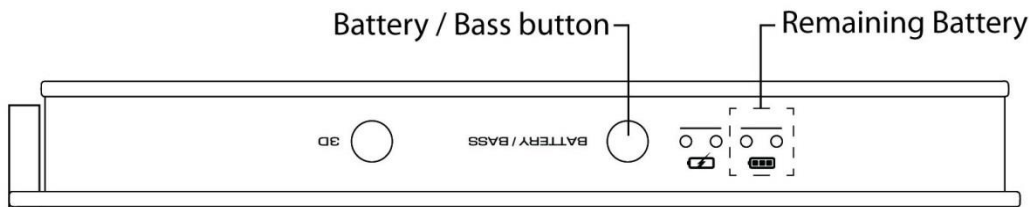


8. 3D (3D surround) button (for iAMP mode only, refer to toggle switch (1))
Switches to the 3D mode when the button is pressed.
9. BATTERY / BASS button
- Checks the remaining battery or charging status when the button is pressed lightly.
 - Switches to the BASS BOOST mode when the button is pressed and held down, and the toggle switch (2) is moved back and forth (only for headphone output).
- * Refer to "Setting Other Functions" (page 36) for the setting method of 3D and bass boost.
10. Charging status indicator
Displays the charging status of the battery.
- * No display during iSYNC mode.
11. Remaining battery indicator
Displays the remaining battery in LED.

Checking the Remaining Battery of VERZA

The remaining battery can be checked by the LED indicators below battery mark.

The LED indicators light up in accordance with the remaining battery when the BATTERY / BASS button on the side panel is pressed lightly.



Remaining battery	LED
Full	o o
Low	o
Empty	Off

o LED color: Orange

CAUTION

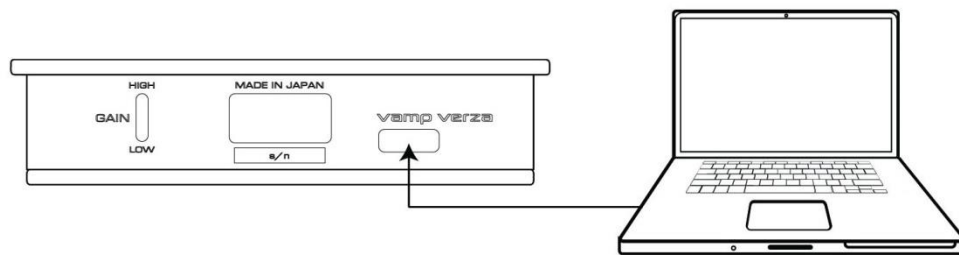
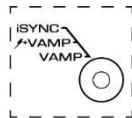
The battery at the time of purchase is not fully charged. Charge the battery before using VERZA.

Charging the Built-in Battery of VERZA

The built-in battery of VERZA can be charged by connecting the USB port A connector of a computer with the USB micro B connector at the bottom of VERZA using the supplied USB to micro USB cable and by switching the toggle switch (2) on the front panel to "AMP" or "½ +VAMP" mode.

* When the built-in battery of VERZA has been fully charged, VERZA automatically starts charging iPod/iPhone.

It takes approximately 5 hours to fully charge VERZA.



It is also possible to charge VERZA by using the Apple USB charging adapter supplied with iPod/iPhone.

Display of charging status indicator	
Pre charge (pre charging)	○ ●
Charge (quick charging)	○
Complete : (charging completed)	●

○ : Orange ● : Green

* The CHARGE LEDs turn off when USB cable is disconnected.

CAUTION

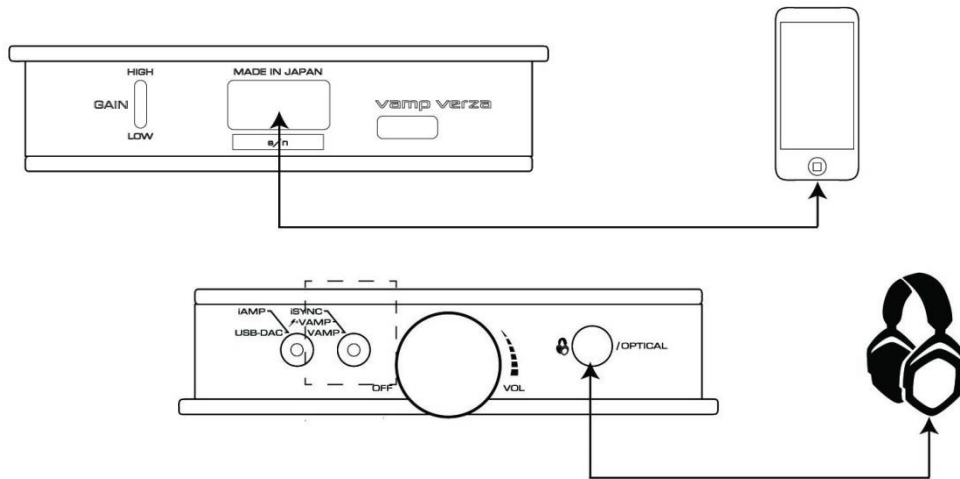
- Do not keep charging for a long period of time. Always disconnect the USB cable each time charging is completed.
- If both LEDs are off or become off when the USB cable is connected, immediately disconnect the USB cable and stop charging.
- The battery has a life duration. The usable duration will become shorter due to aging degradation.

Disposing of the battery

VERZA is using a lithium ion polymer battery. It is required to dispose the battery separately from the general household waste. Dispose the battery in accordance with the instructions (regulations) in your municipality.

Connecting VERZA with iPod/iPhone

Connect by inserting the Apple genuine dock connector USB cable supplied with iPod/iPhone securely into the USB connector (A terminal) of VERZA.

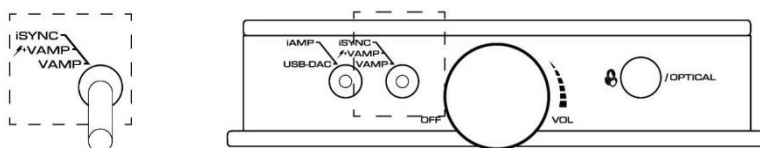


CAUTION

If feeling discomfort when connecting the dock connector USB cable to VERZA, do not connect forcibly, but check the connecting condition between the USB connector of VERZA and the dock connector USB cable.

Listening to Music in iPod/iPhone in VERZA "VAMP" Mode

1. Turn on the power by the power switch volume knob and set the toggle switch (2) to "VAMP" position.



2. Once VERZA and iPod/iPhone are correctly connected (authenticated), the toggle switch LED turns on red or green.

* If the toggle switch is blinking, iPod/iPhone may not be connected with VERZA at all, or it may not be correctly connected (authenticated).

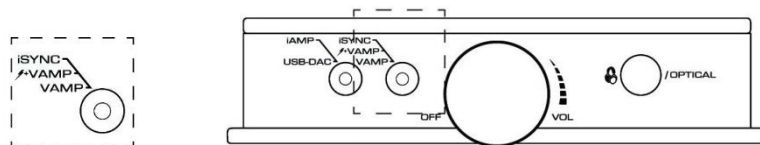
In such case, disconnect iPod/iPhone once and reconnect, or turn OFF the power by turning the power switch volume knob counterclockwise all the way until it clicks, and then turn the power ON again. Refer to "Setting Other Functions" for how to turn the power ON/OFF

* If the toggle switch LED does not turn on, the remaining battery of VERZA may be low. In such case, check the remaining battery and charge as necessary.

Charging iPod/iPhone by the Built-in Battery in VERZA "⚡ +VAMP" Mode

Turn on the power by the power switch volume knob and set the toggle switch (2) to "⚡ +VAMP" position.

Once connected (authentication is completed), iPod/iPhone starts to be charged by built-in battery of VERZA.



MEMO

The battery charging icon appears at the top right of iPod/ iPhone screen when iPod/iPhone is correctly being charged.

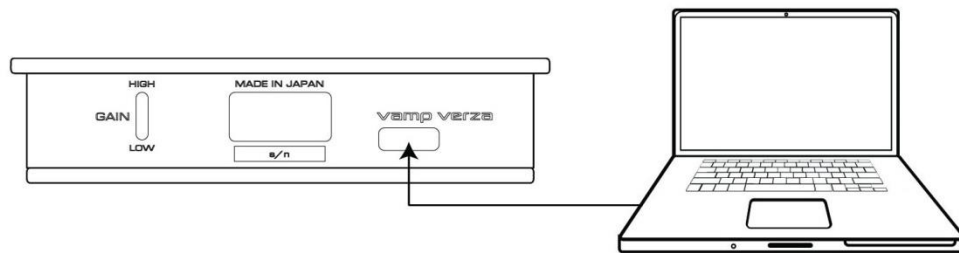
CAUTION

While charging iPod/iPhone from the built-in battery, VERZA becomes hot, but this is not a malfunction.

Also, touching VERZA for a long time may cause low temperature burn, and therefore avoid charging in your pocket or in similar situations.

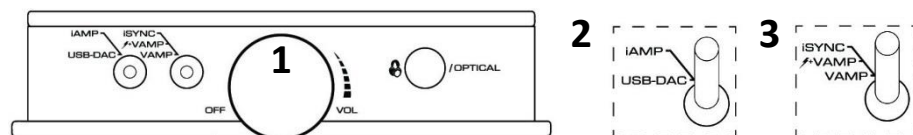
Connecting VERZA with Computer

To connect with computer, connect the supplied USB cable (micro B type) to the USB connector (USB micro B connector) of VERZA. USB port of VERZA is at the rear panel.



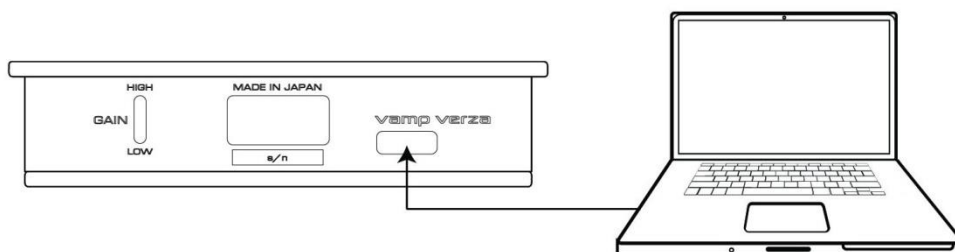
Synchronizing with iPod/iPhone and iTunes on Computer in VERZA "iSYNC" Mode

Perform the following procedures.



- 1 Turn the power switch volume knob clockwise until it clicks to turn the power ON.
- 2 Set the toggle switch (1) to iAMP position
- 3 Set the toggle switch (2) to iSYNC position

Synchronization with iTunes on computer and charging iPod/iPhone get performed. No authentication is performed during iSYNC, and the LED on the toggle switch stays off.

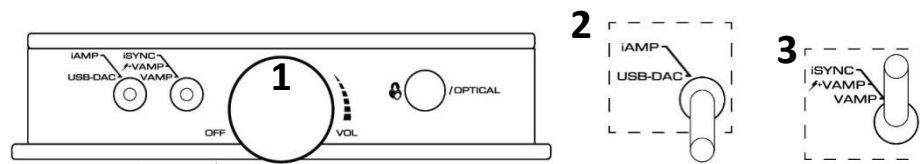


CAUTION

Do not change the switches on VERZA or disconnect the USB micro cable during synchronization.

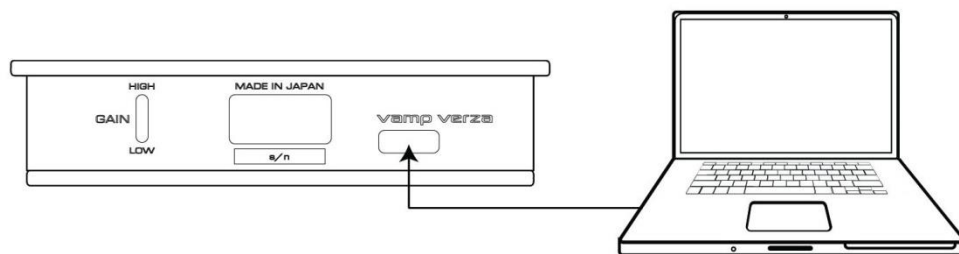
Listening to Music on Computer and devices with USB Audio in VERZA "USB DAC" Function

Perform the following procedures.



- 1 Turn the power switch volume knob clockwise until it clicks to turn the power ON.
- 2 Set the toggle switch (1) to USB DAC position.
- 3 Set the toggle switch (2) to iSYNC position.
- 4 Connect VERZA and computer with the supplied USB cable.

The device driver is automatically installed when VERZA is connected to computer for the first



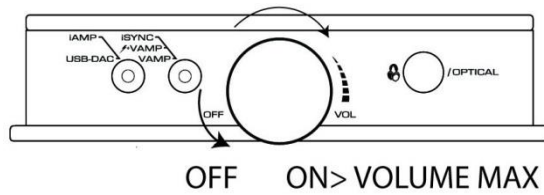
- 5 Check the sound setting on computer and confirm a sound is coming. For volume control, adjust the volume on computer.

* The built-in battery of VERZA will not be charged.

Setting Other Functions

- Setting Volume

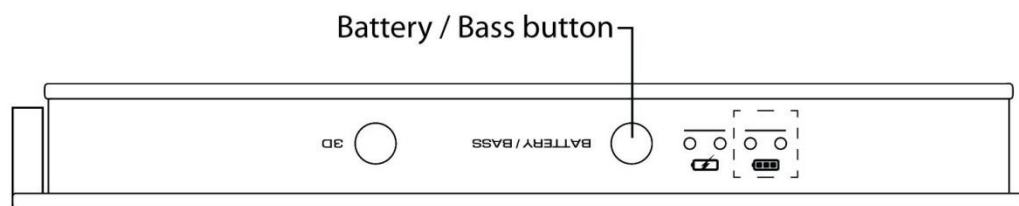
Adjust the power switch volume knob.



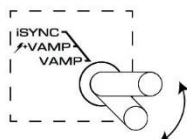
- Setting Bass Boost

Use Bass boost for enhancement in bass. Perform the following procedures.

- 1 Press and hold the BATTERY / BASS button.



- 2 The LED on the toggle switch (2) in the front panel starts blinking.
- 3 Move the toggle switch (2) back and forth between AMP and +VAMP positions once.



- 4 The setting is completed when the LED on the toggle switch turns to either red or green and stays lit.

LED color	Sound
Red	PURE sound
Green	V-MODA Bass

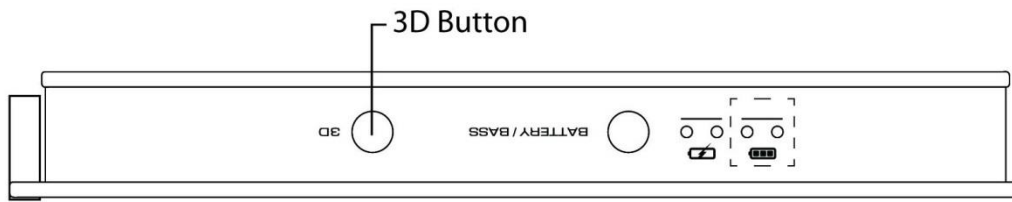
* In factory setting red LED lights and blinks (bass boost off).

* To cancel the setting, press the BATTERY / BASS button again (The LED becomes lighting from blinking).

- Setting 3D (3D surround)

3D mode provides a spacious sound.

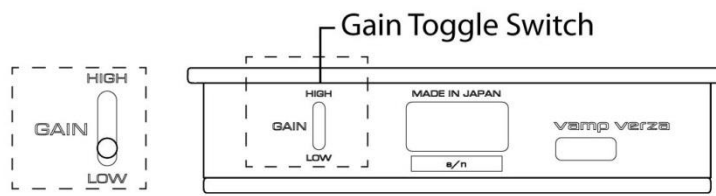
[ON] and [OFF] are switched back and forth by pressing the [3D] button.



- Setting Gain

Gain of the headphones can be set by switching the GAIN toggle switch to either [HIGH] or [LOW].

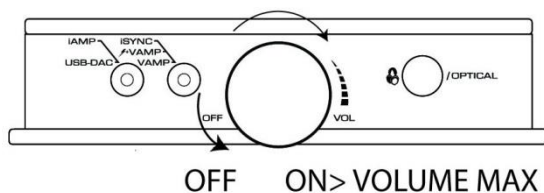
It enables the headphones with different impedance to exert its full performance and to play in high-quality sounds.



* Do not apply force to the GAIN toggle switch to avoid breaking the switch.

- How to Reset (restoring factory settings)

In case the operation of VERZA freezes (operation stops), reset VERZA to the factory setting by turning the volume knob all the way counterclockwise until it clicks, turning OFF the main power, and then turning it back ON by turning the volume knob clockwise again.



Specifications

Main unit

Width	70.00 mm
Depth	17.00 mm
Height	133.50 mm (including the protrusion)
Weight	190 g

Amplifier

Maximum output	Max 150mW x2 (32Ω) at High Gain Max 90mW x 2 (32Ω) at Low Gain
S/N ratio	>90 dB
Distortion	<0.05% (50mW)
Frequency	20 Hz to 20 kHz
Adaptive impedance	Analog headphone output (recommend 16 Ω or higher)
Output impedance	10 Ω
Output	Optical digital audio output, analog headphone output (3.5mm)

Key Hardware and Software features

PCB # of layers	Six (6) layers
Op Amp	TI SoundPlus
DAC iDevice	Asahi Kasei AK4353
DAC USB	TI PCM2902C
Bass mode	V-MODA bass technology
3D mode	New Japan Radio – Eala technology

Input section

USB connector	USB standard A type (receptacle)
	USB micro B type (receptacle)
	* This product is USB 2.0 compatible devices

Battery section

Battery type	Lithium ion polymer battery
Capacity	2200mAh
Charge method	Via supplied USB cable (USB 2.0)
Play time	Approximately 5-7 hours
Full charge time	Approximately 5 hours
Sustainable charge frequency	Approximately 500 times

Power Supply section

Input	5 VDC / 500 mA (Micro USB-B)
Output	5 VDC / 1 A (USB-A)

Compatible audio data format

Audio data format at max (16 bit / 48kHz)

AAC (16 to 320Kbps), AIFF, AAC (MP4 downloaded from iTunes Store), MP3 (16 to 320 Kbps), MP3 VBR, Audible (formats 2-4), Apple Lossless, WAV

Compliance – Apple Made for iPod / Made for iPhone



Thank you for purchasing this V-MODA product. Please read this instruction manual thoroughly before using. Keep this manual available for your future reference.

Disclaimer

- V-MODA is not responsible for any damage caused by natural disasters, fire not caused by V-MODA, actions or damages caused by third parties, criminal or accidental use by customers, or any other damages caused by other irregular usage.
- V-MODA is not responsible for changes or loss to recorded data, loss of commercial profit, interruption of business operations, or any resultant damages or loss caused by use or malfunction of VERZA.
- V-MODA is not responsible for damage caused by failure to follow instructions in this manual.

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The official name of Windows XP is Microsoft® Windows® XP Operating System

Product Support

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